

**CLAIMS**

**WHAT IS CLAIMED:**

- 1           1.     A drive assembly, comprising:  
2           a carrier;  
3           a drive supported by the carrier, the drive including a bus connector and a power  
4           connector;  
5           a plurality of cables coupled to the bus connector and power connector;  
6           an interface board, including:  
7                 an expander coupled to the cables; and  
8                 an external connector coupled to the expander.
  
- 1           2.     The drive assembly of claim 1, wherein the drive includes an Id connector, and  
2           the plurality of cables includes a cable coupled to the Id connector.
  
- 1           3.     The drive assembly of claim 1, wherein the interface board further comprises a  
2           terminator coupled between the cables and the expander.
  
- 1           4.     The drive assembly of claim 1, wherein the bus connector comprises at least one  
2           of a 50-pin and a 68-pin small computer system interface (SCSI) connector.
  
- 1           5.     The drive assembly of claim 1, wherein the external connector comprises a single  
2           connector attachment (SCA) connector.

1           6.     The drive assembly of claim 1, wherein the drive comprises one of a tape drive  
2     and a hard disk drive.

1           7.     A storage array, comprising:

2     a backplane;

3     a plurality of storage devices coupled to the backplane, each storage device comprising:

4         a carrier;

5             a drive supported by the carrier, the drive including a bus connector, a power  
6             connector, and an ID connector;

7             a plurality of cables coupled to the bus connector, power connector, and ID  
8             connector; and

9             an interface board, including:

10                 an expander coupled to the cables; and

11                 an external connector coupled to the expander.

12     a bus coupled to the storage devices; and

13     at least one input/output connector coupled to the bus.

1           8.     The storage array of claim 7, wherein the drive includes an Id connector, and the  
2     plurality of cables includes a cable coupled to the Id connector.

1           9.     The storage array of claim 7, wherein the interface board further comprises a  
2     terminator coupled between the cables and the expander.

1           10.     The storage array of claim 7, wherein the bus connector comprises at least one of  
2     a 50-pin and a 68-pin small computer system interface (SCSI) connector.

1           11.     The storage array of claim 7, wherein the external connector comprises a single  
2     connector attachment (SCA) connector.

1           12.     The storage array of claim 7, wherein the backplane comprises a hot-plug  
2     backplane.

1           13.     The storage array of claim 7, wherein the bus comprises a small computer system  
2     interface (SCSI) bus.

1           14.     The storage array of claim 7, wherein the drive comprises one of a tape drive and  
2     a hard disk drive.